

CLAIMS

1. A radio communication terminal (1) comprising data processing means for controlling terminal functions, and attaching means (27) for releasable attachment
5 of a housing (30) to the terminal, **characterised in** that said terminal comprises a multipath connector (17) connected to the data processing means, wherein said multipath connector includes a terminal system connector, and a housing connector for communicative connection of an attached housing to the data processing means.
- 10 2. The radio communication terminal as recited in claim 1, **characterised in** that the multipath connector is positioned such that the system connector is accessible from the outside of the terminal, and such that said housing connector faces a front or rear side of the terminal.
- 15 3. The radio communication terminal as recited in claim 1, **characterised in** that the multipath connector is positioned such that the system connector is accessible from the outside of the terminal, and such that said housing connector faces a different direction than the system connector.
- 20 4. The radio communication terminal as recited in any of the previous claims, **characterised in** that the multipath connector is positioned at an end of the terminal, such that the system connector is accessible in a longitudinal direction of the terminal, and where said housing connector faces a front or rear side of the
25 terminal.
5. The radio communication terminal as recited in any of the previous claims, **characterised in** that the multipath connector comprises two housing connectors, for communicative connection of a front housing and a rear housing.
- 30 6. The radio communication terminal as recited in any of the previous claims, **characterised in** that said multipath connector comprises connector poles that are branched to said system connector and said housing connector.
7. Disconnectable housing (30) for a radio communication terminal according to
35 any of the previous claims 1 - 6, comprising attaching means (36) for releasable attachment of the housing to the terminal, **characterised in** that said housing comprises a terminal connector (34) devised to provide bus connectivity with said terminal upon attachment, and functional means (32,35) connected to said terminal connector for affecting the function of an attached terminal (1).

8. The disconnectable housing as recited in claim 7, **characterised in** that said functional means for affecting the function of an attached terminal comprises a micro controller (35).

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9. The disconnectable housing as recited in claim 7 or 8, **characterised in** that said functional means for affecting the function of an attached terminal comprises a functional member, adding a feature to the terminal when the housing is attached thereto.

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10. The disconnectable housing as recited in claim 7 or 8, **characterised in** that said functional means for affecting the function of an attached terminal comprises a functional member, devised to modify a feature of the terminal when the housing is attached thereto.

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11. The disconnectable housing as recited in claim 9, **characterised in** that said functional member comprises a touch-sensitive display (71).

12. The disconnectable housing as recited in claim 9, **characterised in** that said functional member comprises a speaker (81, 111) for hands free operation.

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13. The disconnectable housing as recited in claim 9, **characterised in** that said functional member comprises a digital image recorder (91).

14. A radio communication terminal and housing combination, wherein cooperating attaching means are devised for releasable connection of the housing to the terminal, **characterised in** that said housing comprises means for affecting the function of the terminal, and where cooperating housing-to-terminal connector means are provided for communicative connection between the terminal and an attached housing.

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15. The radio communication terminal and housing combination as recited in claim 14, **characterised in** that it comprises a radio communication terminal according to any of the previous claims 1 to 6 and a housing according to any of the previous claims 7 to 13.

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16. A multipath connector (17) for a radio communication terminal (1), **characterised in** that the multipath connector has two separate connector interfaces (50, 51) comprising interconnected poles (60).

17. The multipath connector as recited in claim 16, **characterised in** that it includes connection pads for connection to a terminal PCB (10).

5 18. The multipath connector as recited in claim 17, **characterised in** that it is devised to be fixed to an end of a terminal PCB, such that one connector interface (50) faces outwardly in the longitudinal direction of said PCB, and a second connector interface (51) faces outwardly substantially perpendicular to the PCB.

10 19. The multipath connector as recited in claim 18, **characterised in** that a third connector interface (52) faces outwardly substantially perpendicular to the PCB in the opposite direction from said second connector interface.